Name:

at1110paper_practice_test (v20)

1. Expand the following expression into standard form.

$$(7x + 8)(4x + 3)$$

2. Solve the equation.

$$(9x - 5)(7x - 6) \;=\; 0$$

3. Expand the following expression into standard form.

$$(9x + 7)(9x - 7)$$

4. Expand the following expression into standard form.

$$(2x + 9)^2$$

5. Factor the expression.

$$x^2 + 5x + 6$$

6. Factor the expression.

$$25x^2 - 64$$

7. Solve the equation with factoring by grouping.

$$20x^2 - 15x - 8x + 6 \;=\; 0$$

8. Solve the equation.

$$9x^2 - 33x - 66 \;=\; 4x^2 + 5x - 3$$

Name:

at1110paper_practice_test (v21)

1. Expand the following expression into standard form.

$$(4x + 9)(5x + 3)$$

2. Solve the equation.

$$(6x + 5)(9x - 7) \;=\; 0$$

3. Expand the following expression into standard form.

$$(8x - 3)(8x + 3)$$

4. Expand the following expression into standard form.

$$(3x + 2)^2$$

5. Factor the expression.

$$x^2 - x - 12$$

6. Factor the expression.

$$16x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$12x^2 + 18x + 10x + 15 \;=\; 0$$

8. Solve the equation.

$$5x^2 - 15x + 16 \;=\; 3x^2 - 2x - 5$$

Name:

at1110paper_practice_test (v22)

1. Expand the following expression into standard form.

$$(7x - 2)(3x - 5)$$

2. Solve the equation.

$$(4x + 9)(5x + 3) \;=\; 0$$

3. Expand the following expression into standard form.

$$(3x + 5)(3x - 5)$$

4. Expand the following expression into standard form.

$$(9x - 2)^2$$

5. Factor the expression.

$$x^2 + 2x - 24$$

6. Factor the expression.

$$49x^2 - 16$$

7. Solve the equation with factoring by grouping.

$$8x^2 - 6x - 20x + 15 \;=\; 0$$

8. Solve the equation.

$$7x^2 + 9x + 8 \;=\; 5x^2 - 4x + 2$$

Name:

at1110paper_practice_test (v23)

1. Expand the following expression into standard form.

$$(7x + 8)(3x + 4)$$

2. Solve the equation.

$$(7x - 4)(8x + 3) \;=\; 0$$

3. Expand the following expression into standard form.

$$(7x + 2)(7x - 2)$$

4. Expand the following expression into standard form.

$$(3x - 4)^2$$

5. Factor the expression.

$$x^2 + 17x + 72$$

6. Factor the expression.

$$16x^2 - 81$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 18x - 10x - 12 \;=\; 0$$

8. Solve the equation.

$$7x^2 - 13x + 1 \;=\; 4x^2 - 2x - 5$$

Name:

at1110paper_practice_test (v24)

1. Expand the following expression into standard form.

$$(3x - 2)(5x - 8)$$

2. Solve the equation.

$$(7x - 9)(3x + 4) \;=\; 0$$

3. Expand the following expression into standard form.

$$(7x + 8)(7x - 8)$$

4. Expand the following expression into standard form.

$$(7x - 9)^2$$

5. Factor the expression.

$$x^2 + 5x - 36$$

6. Factor the expression.

$$25x^2 - 36$$

7. Solve the equation with factoring by grouping.

$$20x^2 - 15x + 8x - 6 \;=\; 0$$

8. Solve the equation.

$$12x^2 + 74x + 68 \;=\; 5x^2 + 3x - 4$$

Name:

at1110paper_practice_test (v25)

1. Expand the following expression into standard form.

$$(4x - 7)(5x + 2)$$

2. Solve the equation.

$$(6x + 5)(9x + 7) \;=\; 0$$

3. Expand the following expression into standard form.

$$(7x - 9)(7x + 9)$$

4. Expand the following expression into standard form.

$$(2x - 7)^2$$

5. Factor the expression.

$$x^2 + 17x + 72$$

6. Factor the expression.

$$64x^2 - 81$$

7. Solve the equation with factoring by grouping.

$$20x^2 + 15x + 24x + 18 \;=\; 0$$

8. Solve the equation.

$$10x^2 - 49x + 10 \;=\; 3x^2 + 2x - 4$$

Name:

at1110paper_practice_test (v26)

1. Expand the following expression into standard form.

$$(9x - 5)(4x + 7)$$

2. Solve the equation.

$$(3x + 5)(7x + 6) \;=\; 0$$

3. Expand the following expression into standard form.

$$(4x + 5)(4x - 5)$$

4. Expand the following expression into standard form.

$$(9x - 4)^2$$

5. Factor the expression.

$$x^2 + 5x - 24$$

6. Factor the expression.

$$25x^2 - 64$$

7. Solve the equation with factoring by grouping.

$$15x^2 - 20x - 6x + 8 \;=\; 0$$

8. Solve the equation.

$$6x^2 + 10x + 25 \;=\; 4x^2 - 5x - 3$$

Name:

at1110paper_practice_test (v27)

1. Expand the following expression into standard form.

$$(2x - 9)(8x - 7)$$

2. Solve the equation.

$$(7x - 2)(5x + 8) \;=\; 0$$

3. Expand the following expression into standard form.

$$(5x + 8)(5x - 8)$$

4. Expand the following expression into standard form.

$$(5x - 2)^2$$

5. Factor the expression.

$$x^2 + 16x + 63$$

6. Factor the expression.

$$36x^2 - 49$$

7. Solve the equation with factoring by grouping.

$$18x^2 - 12x - 15x + 10 \;=\; 0$$

8. Solve the equation.

$$9x^2 - 11x - 42 \;=\; 4x^2 + 5x + 3$$

Name:

at1110paper_practice_test (v28)

1. Expand the following expression into standard form.

$$(2x + 9)(8x - 7)$$

2. Solve the equation.

$$(4x + 5)(7x + 3) \;=\; 0$$

3. Expand the following expression into standard form.

$$(9x + 8)(9x - 8)$$

4. Expand the following expression into standard form.

$$(3x - 7)^2$$

5. Factor the expression.

$$x^2 + 14x + 45$$

6. Factor the expression.

$$9x^2 - 64$$

7. Solve the equation with factoring by grouping.

$$8x^2 - 12x - 10x + 15 \;=\; 0$$

8. Solve the equation.

$$6x^2 + 10x - 1 \;=\; 4x^2 + 5x + 2$$

Name:

at1110paper_practice_test (v29)

1. Expand the following expression into standard form.

$$(9x + 5)(3x + 2)$$

2. Solve the equation.

$$(5x - 9)(7x - 3) \;=\; 0$$

3. Expand the following expression into standard form.

$$(5x - 4)(5x + 4)$$

4. Expand the following expression into standard form.

$$(5x + 2)^2$$

5. Factor the expression.

$$x^2 + 8x + 12$$

6. Factor the expression.

$$64x^2 - 25$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 6x - 20x - 8 \;=\; 0$$

8. Solve the equation.

$$7x^2 + 16x + 22 \;=\; 4x^2 - 3x + 2$$

Name:

at1110paper_practice_test (v30)

1. Expand the following expression into standard form.

$$(3x - 2)(7x + 8)$$

2. Solve the equation.

$$(2x + 3)(7x - 8) \;=\; 0$$

3. Expand the following expression into standard form.

$$(3x - 4)(3x + 4)$$

4. Expand the following expression into standard form.

$$(3x + 7)^2$$

5. Factor the expression.

$$x^2 - 3x - 28$$

6. Factor the expression.

$$25x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 6x - 20x - 8 \;=\; 0$$

8. Solve the equation.

$$7x^2 - 25x - 61 \;=\; 4x^2 - 5x + 2$$